

# Shadow

for violin and  
live electroacoustic music

by  
Douglas Geers

# Shadow

## **General Performance Notes:**

This work (duration approximately eight minutes) is for violin with live electroacoustic music. The electroacoustic sounds in the work are created via live signal processing of the violin's performance. This is achieved via software created by the composer in the *Max/MSP* composition environment and is available from him upon request (see contact information below.)

## **Necessary technology:**

1. Microphone mounted on violin (preferably DPA 4060)
2. Concert quality mixer, with at least 2 auxillary sends/returns to pass sound to and from computer
3. Macintosh G4 (500mHz or faster, 500 MB RAM minimum)
4. Digital audio interface to connect Macintosh to mixer
5. *Max/MSP* software
6. Douglas Geers' sound processing software for this work
7. Concert quality stereo audio playback system: amplifier and speakers.

## **Configuration for Concert Performance:**

1. Violinist onstage, with microphone attached to violin
2. Audio cable from microphone running to microphone input of mixer (preferably situated in center of audience space)
3. Auxillary out #1 sending signal to Macintosh running *Max/MSP* and Geers' *Max/MSP* software.
4. Software activated; increment DSP setting and cue soundfile playback as indicated in score (see below.)
5. Audio output from Macintosh sent back to mixer, to as many separate channels as possible (minimum two).
6. Mixer set to output the signals from both the violin and the music from computer.
7. All audio signal sent to amplifier and speakers.

## **Contact Information:**

To request additional scores, a recording, or a copy of the software for this work, please contact Douglas Geers:

email: d@dgeers.com

post: 1050 6th Street SE

Minneapolis, Minnesota 55414

U.S.A

# Shadow

for violin and  
live electroacoustic music

by  
Douglas Geers



Note: triangle notehead indicates to play highest note possible.

# Shadow

For violin and computer

Douglas Geers

Violin

8-10" 8-10" 8-10" vary timbre

1-2" 4-6" 4-6" sul tasto 4-6" Gliss. 2-3"

2-3" 1-3" 2-5" 1-3" to tremolo to naturale slow from tremolo to long notes

2-3" 2-5" 1-2" 1-2" 1-2" Glissando to sul tasto accel. to tremolo

1-2" 4-6" 2-5" pizz. slow to... (repeat ad lib.)

1-2" 1-2" arco, sul tasto 1-2" to naturale 2-3" expand vib. to +/- maj. 3rd 2-5" to sul pont

*ppp* *sempre* *pp* *mp* *ppp* *p* *ff*

Shadow 4-6"

[G] *pizz., sul pont*  
*quick, unmeasured; vary motives' order; move pitch up & down within highest playable maj. 3rd*

30 2-5" vary dynamic from *ppp* to *mf*

*slowly gliss. down to F6* 10-15" *naturale* 3-5" *ppp*

33 vary dynamic from *ppp* to *mf*

[H] *sul tasto* 2-5" *Glissando* 5-15" *vary vib. rate & depth; vary timbre*

36 *ppp* *pp*

[I] *gradually slow bow to a stop* 1-3" *arco, sul tasto* 1-2" 1-3" 1-2" *(snap)* 1-4"

39 *n* *pp* *ff*

*sul pont.* 1-3" 3-5" 1-2" 2-4" *repeat several times, varying length*

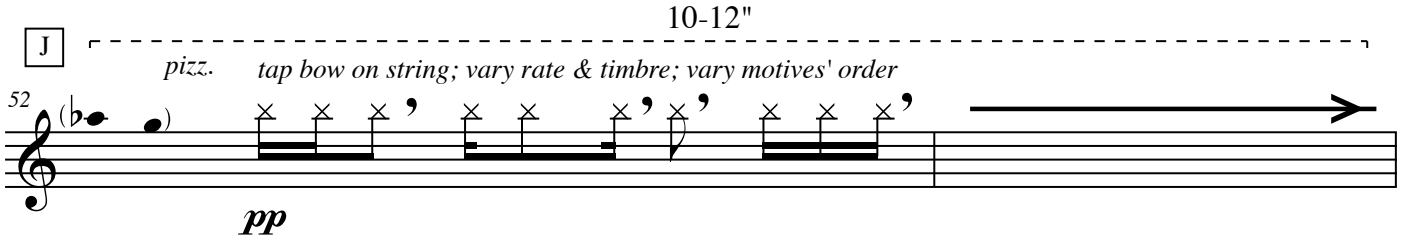
45 *ppp* *f* *pp* *sfz* *pp*

1-2" 3-5"

49 *p* *f* *ppp*

10-12"

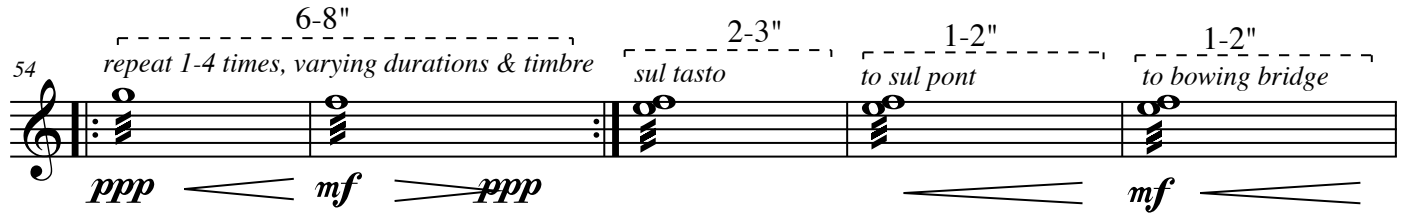
[J] pizz. tap bow on string; vary rate & timbre; vary motives' order

52 

*pp*

6-8" 2-3" 1-2" 1-2"

54 repeat 1-4 times, varying durations & timbre *sul tasto* *to sul pont* *to bowing bridge*

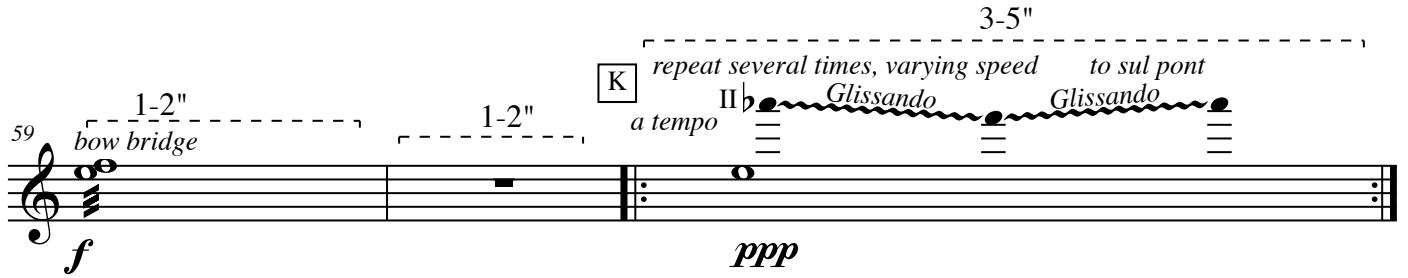


*ppp* *mf* *ppp* *mf*

3-5"

59 1-2" 1-2" [K] repeat several times, varying speed *to sul pont*

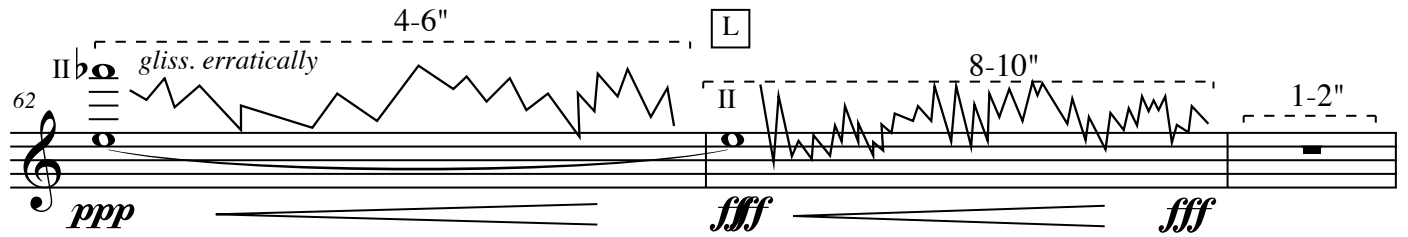
*bow bridge* *a tempo* *Glissando* *Glissando*



*f* *ppp*

4-6" 8-10" 1-2"

62 *gliss. erratically* [L] *fff* *fff*

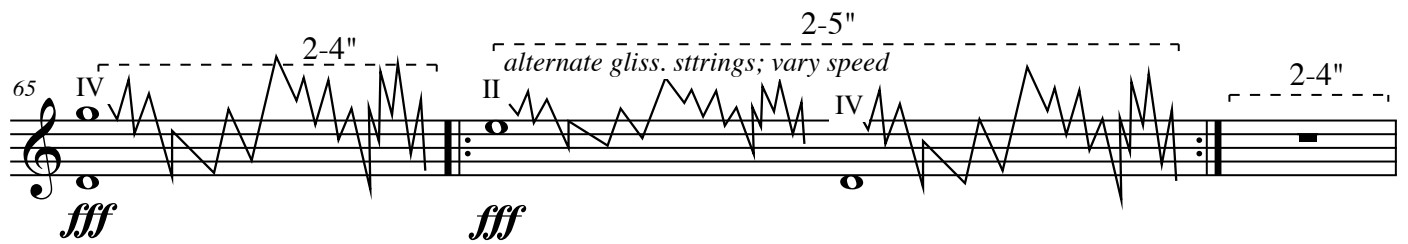


*ppp* *fff* *fff*

2-4" 2-5" 2-4"

65 *IV* *II* *IV* *fff* *fff*

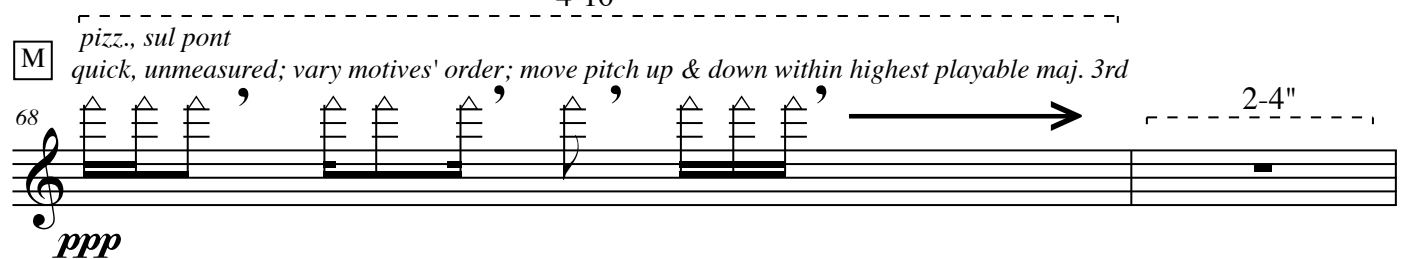
*alternate gliss. strings; vary speed*



*fff* *fff*

4-10" 2-4"

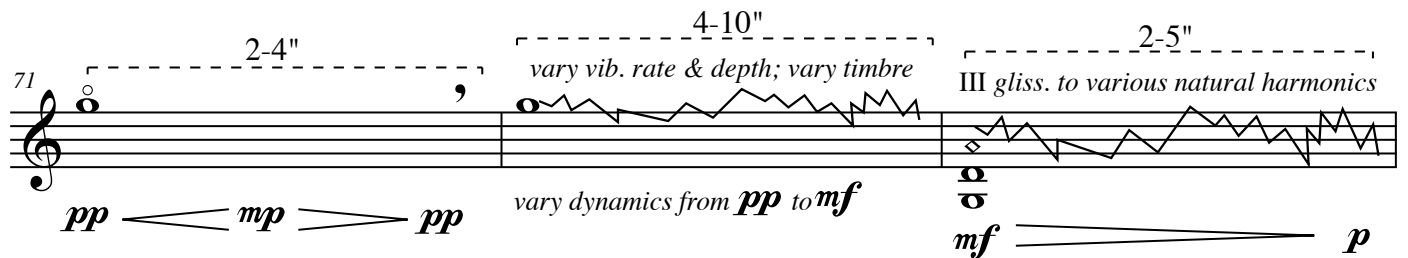
[M] pizz., *sul pont* quick, unmeasured; vary motives' order; move pitch up & down within highest playable maj. 3rd

68 

*ppp*

2-4" 4-10" 2-5"

71 vary vib. rate & depth; vary timbre vary dynamics from *pp* to *mf* III *gliss. to various natural harmonics*



*pp* *mp* *pp* *mf* *p*

74 N *pizz., sul pont; vary timing*  
*repeat 1-5 times* 1-2" 2-3" 2-3"  
*molto sul tasto* *to scratch tone*

78 1-3" 1-3" 5-15" 2-5"  
*scratch tone* *repeat 2-6 times; vary timing*  
*vary timbre from sul tasto to scratch tone*

82 O 8-10" 1-4" P 8-10" 8-10"  
*III gliss. to various natural harmonics* *molto sul tasto; vary vib.*

*mp* *ppp* *mf*  
*mf* *ff* *fff*  
*pp* *fff*  
*ppp* *n*

The musical score is presented in three systems on a grand staff. The first system (measures 74-77) features a treble clef and a single note with a repeat sign. Above the staff, performance instructions include 'pizz., sul pont; vary timing' and 'repeat 1-5 times'. Dynamic markings are *mp*, *ppp*, and *mf*. The second system (measures 78-81) shows a treble clef with a complex rhythmic pattern. Instructions include 'scratch tone' and 'repeat 2-6 times; vary timing vary timbre from sul tasto to scratch tone'. Dynamics range from *mf* to *fff*. The third system (measures 82-85) uses a treble clef with a glissando line. Instructions include 'III gliss. to various natural harmonics' and 'molto sul tasto; vary vib.'. Dynamics include *ppp* and *n*. Boxed letters 'N', 'O', and 'P' are placed above the first, third, and fourth measures of the first, second, and third systems, respectively.